



## Update Covers ISO 9000, Project LIGHT Status

Project LIGHT and ISO 9000 were two major topics of focus at last week's Employee Update by Center Director Wayne Littles.

The event also featured supporting briefings by Associate Director (Technical) Bob Schwinghamer and Debbie Bowerman of the Information Systems Services Office, as well as length-of-service awards to employees.

Littles pointed out that the Center is well into the process of getting ready for implementation of ISO 9000. That is a set of international standards for management and the assurance of quality in businesses in more than 90 countries.

"The NASA administrator," said Littles, "has committed the Agency to be certified by April of next year. We have set a target for Marshall of February."

Littles stressed to employees that a key point is the need "to make sure you understand how your job and your work and you relate to ISO 9000 and to the process. We only have to have one major finding when we go through the audit for the whole center to fail," he said.

Schwinghamer echoed Littles' remarks while briefing employees on the Center's progress with ISO 9000 and its auditing process.

"We've had six audits of organizational elements so far and there are three audits presently ongoing," said Schwinghamer.

He listed examples of ISO 9000 elements where nonconformances have been clustering, based on those

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Center Deputy Director Carolyn Griner presents a Marshall Center plaque to Huntsville Mayor Loretta Spencer. Spencer was the keynote speaker for the Women's Equality Day program held Tuesday in Morris Auditorium.

*Photo by Dennis Olive*

## EG&G Chosen to Provide Center Operations Support to Marshall

The Marshall Center has awarded EG&G Alabama, Inc., a division of EG&G, Inc., of Cocoa, Fla., a contract to provide center operations support services for a period of up to five years, beginning Sept. 1.

If all options are exercised, the contract could be worth approximately \$77.8 million. This amount does not include work that could be called for under a provision in the contract that may be used to procure additional services on an indefinite-delivery, indefinite-quantity basis.

Services to be provided under the contract include operations, maintenance, renovations, modifications, construction, and environmental support services at the center.

The fixed-price, performance-based contract will be divided into a one-year base period and four one-year options which may be exercised at NASA's discretion.

The services to be provided are essentially a continuation of the effort currently being performed under the base maintenance mission services contract by BAMSI, of Titusville, FL. Excluded, however, are a few specific types of service which have been absorbed under other support service contracts.

Also submitting proposals were BAMSI; BDM/Vinnell of Fairfax, Va; FKW Inc., of Oklahoma City, Ok.; Johnson Controls, Inc., of Cape Canaveral, Fla.; a joint venture between Morrison Knudsen and Call Henry, Inc., of Cocoa, Fla.; and Space Mark, Inc., of Colorado Springs, Colo.



Center Director Wayne Littles is interviewed by anchor Sharyn Sutton during Monday evening's "For the Record" program on Alabama Public TV. The 30-minute show, broadcast across the state from Montgomery, focused on recent developments at Marshall and allowed viewers to ask questions of Littles.

# Marshall Engineer Headed to Moscow to Lead Operations

Patricia Moore, a Marshall Center engineer soon to become NASA's operations lead in Russia, views joint U.S.-Russian efforts to repair the Russian Mir space station as a "valuable lesson — like a test-bed for the United States on how to keep a space station operational."

In September, Moore will join several other Center employees assigned to Moscow to support the two nations' joint space project. This program is managed by the Johnson Space Center in Houston, Texas.

As the international space partners prepare for next year's launch of the first elements of the International Space Station, Moore said repairs to the damaged Spektr module "are teaching us valuable lessons.

No matter how old your space station is, things are going to happen which will require repair. We can learn from the Russian efforts to repair Mir.

"And each of these lessons learned will prove invaluable for the successful operation of the Space Station," said Moore, who will become the first woman to lead NASA's Moscow mission control operations.

Moore's assignment — following three previous tours of duty in the Russian capital in the last 10 months — will coincide with the launch of STS-86 in late September. STS-86 will mark the arrival of U.S. astronaut David Wolfe onboard the

Mir, replacing Michael Foale. Moore will lead the team which will control all STS-86 U.S. hardware in orbit, as well as communications between the ground and the U.S. crew members. As lead controller, she will be responsible, as well, for scheduling and the priority of the U.S. crew member's activities.

Despite the recent loss of power on Mir, said Moore, "when the power is redistributed from Spektr, we will have regained the capability of executing the all-important science programs, including experiments in the fields of earth sciences, life sciences and microgravity. We're going to be able to do everything we set out to do in science on STS-86."

She described the life science experiments as "exciting, because we're doing the experiments aboard Mir over a longer period of time, and we can learn so much more than we can on shorter-duration flights. For example, we'll be studying bone and mineral loss in microgravity. This has significant applications to people on Earth, where osteoporosis is a common medical problem. As a result of experiments in space such as this, we hope to make life better for people on Earth."

Moore, a Tuscumbia, Ala., native and Auburn graduate, began her NASA career at the Marshall Center in 1985. She has served as a Spacelab training manager, air-to-ground communicator during Space Shuttle missions, and payload operations

controller.

Other Marshall employees in key space program positions in Moscow include Angela Jackman of the Flight Projects Office, who as mission scientist

oversees all science experiment payloads; Jeff Hagopian, coordinator of experiment operations involving NASA's microgravity science program; and training manager Alan E. Johnston. Both Hagopian and Johnston are with the Mission Operations Laboratory.

Except for Moore's position — operations lead — and the position of flight surgeon, both of which are longer-term assignments of several months — Marshall flight team members are assigned to six-week stints in Moscow.

Moore will return to the United States and the Marshall Center when Wolfe returns from Mir, now scheduled for January 1998.

For her, said Moore, these stints provide the only way to obtain long-duration flight experience as a ground controller. "It is very important that we learn from the Russians, as they've been doing this type of operations work for a very long time. That is why I signed up for a tour of duty in Russia."



Patricia Moore

## Volunteers, Exhibitors Needed for Oct. 4 Marshall Center Picnic

by Carole McLemore, Picnic Committee

The Marshall Annual picnic would not be possible without the valuable assistance of volunteers. Anyone wishing to volunteer an hour of their time may do so by contacting one of the coordinators listed below. This year there will be a door-prize drawing for a \$50 gift certificate held exclusively for volunteers! In addition, there will be an Adopt-a-Booth competition for individual organizations or companies to participate in. The organization or company that adopts-a-booth and has the largest percentage of volunteers from their work force wins the competition and receives a commemorative plaque. Please contact one or more of the following volunteer coordinators to sign up:



<u>Event</u>	<u>Contact</u>	<u>Number</u>
<b>Bingo</b>	Rusty Cowman or Nikki Miller	4-7134 4-8955
<b>Tickets</b>	Annie Johnson or Paula Carden	4-2068 4-4429
<b>Soft Drinks</b>	Carol Lovell	4-0590
<b>Beer</b>	Doug Hill	4-0177
<b>Snow Cones, etc.</b>	Janet Henderson or Freda Summers	4-6750 4-2509
<b>Food Services</b>	Tom Fox	4-1462
<b>Games/Contests</b>	Leslie Houston	4-8832
<b>Special Events</b>	Tammy Rowan	4-8706
<b>Decorations</b>	Nikki Miller or Rusty Cowan	4-8955 4-7134
<b>Ice</b>	Kevin Crawford	4-3664

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## Volunteers Needed for Sept. 13 Center Community Service Day

Marshall's annual Community Service Day, which is part of the Combined Federal Campaign (CFC), is planned for Sept. 13 from 9 a.m. to 1 p.m. The rain date is Sept. 20. Center employees and their spouses may volunteer to help with projects at Christmas Charities, Care Assistance System for the Aging and Homebound (CASA), Boy Scouts, HOPE Place, and Habitat for Humanity.

This year's coordinator, Jeff Hamilton, said that volunteers are still needed for the Community Service Day, designed to involve employees in experiencing the work of local recipient agencies first-hand.

"The previous two years were a great hit with the local CFC recipient agencies," said Hamilton. "They are excited about working with Marshall employees and their spouses this year."

Last year's Community Service Day had over 60 Marshall volunteers.

## Marshall Center Picnic

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### Calling All Softball Players

Grab your bat, put on your glove, and get ready to play! This year's picnic One-Pitch Softball Tournament will be held Sept. 29 through Oct. 3. The tournament will only be open to the first 10 teams (at least eight are needed). Marshall Center employees and contractors are eligible to play as well as their spouses and dependents. Contact Rhonda Pepper at 4-5432 or by email for registration forms and rules. The first and second place winners will receive trophies!

### Have a Fancy Car or Aircraft You Want to Show Off?

Then join the sixth annual Automobile/Aircraft Exhibit in "Cruisin' with the Dream". This year is expected to be bigger than ever. The weather will be cooler and the cars hotter. Our friends who enjoy traveling in the sky instead of on the road will also be joining us with their aircraft. The exhibit is open to all Marshall employees, on-site contractors, retirees, and dependents with vehicles that are antique, rare and/or unusual (i.e., go-carts, motorcycles, or anything with wheels). Please contact Paul Bookout, ED23, 4-1490 or by email to reserve a spot. The number of entries is limited and will be on a first-come basis.

Be sure to surf the Marshall Picnic webpage at <http://pscinfo.nasa.gov:80/msfcpicnic/home.html> for further information and check the mail for the forms to order your "Living the Dream" picnic tee-shirts.

### Obituary

**Robert Avery, 78**, Huntsville, died July 31. He retired from Marshall in 1981 where he worked as an electronics engineer.

## Employee Update

from page 1

organizations that have completed their audits. Besides deficiencies that are being addressed, he also pointed out some "pluses" that have come out of the auditing process so far, such as the Quality Manual and a number of Marshall Standard Procedures and Center Work Instructions that have been baselined. Procurement has reduced its work instruction documents by 70 per cent as a result of the assessment and preparation for ISO 9000 certification.

Turning to Project LIGHT, Littles highlighted specific task results from the 18 Project LIGHT teams, remarking that much progress has been made. "Of the 18 teams," said Littles, "12 have reported results and some of their recommendations are being implemented."

Littles answered a variety of questions that had been submitted in advance from employees. Topics included the status of the Mir space station, of Marshall and other centers' roles and missions, and allocation of government trucks and forklifts around the Center.

Touching on upcoming NASA budgets, Littles noted that the fiscal year 1998 budget process is nearing completion in Congress.

"Both the House and Senate have passed their own versions of the budget," said Littles, and they will be reconciled in coming weeks.

Regarding the fiscal year 1999 budget, Littles commented that it will "probably be the toughest one since I've been in the Agency." He added that a lot of work remains to be done on it.

The new pilot feature for submitting suggestions through the "Inside Marshall" intranet page, called IDEAS, was outlined by Debbie Bowerman, chief of the operations division in the Information Systems Services Office.

A suggestion to procure an 800 number for out-of-town employees to call in to check messages or call their supervisor is being implemented and is set for a trial period the end of August. Also calling cards, according to Bowerman, may be procured by employees on extended travel.

The update concluded with the presentation of length of service awards to employees who have completed either 50, 40, 35 and 30 years of service.

Marshall employee Warner Dahm was singled out for special recognition in light of his 50 years of service, which earned him a congratulatory message from President Clinton.

## Big Spring Jam Tickets Available

Three-day, discount tickets for Huntsville's Big Spring Jam are available at the Marshall Center Exchange for \$15. The Sept. 26-28 festival will celebrate the South's musical and artistic heritage and will include jazz, pop, country, rock, blues, classical, zydeco, bluegrass and gospel music. Acts this year include Kool & the Gang featuring J.T. Taylor, The Neville Brothers, Little Texas, Trisha Yearwood, Mark Lindsay, Blood Sweat & Tears and dozens more.

## Employee Ads

### Miscellaneous

- ★ MacIntosh Performa 6205 CD, 16MB, 1GB HD, lots of software \$600. 721-0078
- ★ Golf clubs, 1.3.5, B1, Bomber graphite head woods w/graphite shafts. All for \$60. 350-7461
- ★ Little Mountain resort membership on Guntersville Lake. Camping, cabins, fishing, swimming, boating etc. 881-0645
- ★ Laptop Winbook, 8MB, Win 3.1, Quicken and more, w/case \$700. 420-6589
- ★ Golden retriever puppies, AKC registered, \$150, all shots, vet certified. 837-2461
- ★ Sofas, chairs, end tables. Two den groupings. Will sell pieces individually. 883-4343
- ★ Piano Kimball spinet, pecan, humidifier/dehumidifier, padded stool \$800. 883-1219
- ★ Super Nintendo system with Zelda and Super Mario world \$75. 882-0350
- ★ Orchard grass and crimson clover square bale hay. In barn. 423-2557
- ★ 21" lawn mower, Murray Briggs and Stratton, 5 HP, large rear wheels and bagger \$60. 881-2027
- ★ Sears air compressor, tank type \$99. 881-1718
- ★ Boy's and ladies bikes, children's games, curio/bookshelf, wall cabinets (2) w/mirrors. 837-0996
- ★ Magnavox hi-fi VCR, stereo, 4-head, w/VCR plus. 1 year old \$165. 837-0085
- ★ Toshiba T3100, laptop 80286, 1MB/10MB with S/W (WP, spreadsheet etc.) \$300, Epson, LQ800 printer \$75. 883-8483
- ★ Footjoy golf shoe lite spikes, never used, 32, 25 cents each or \$7.50 total. 881-1249
- ★ Portable sewing machine, does decorative stitches. New \$390, will take \$250. 232-8709
- ★ Mountain bike, Specialized, Rockhopper, w/tire, pump and water bottle holder \$125. 971-0571
- ★ Pontoon boat: 20', love seats, trailer, acc., 40hp Yamaha, live will & bait \$6,000 firm. 882-7084
- ★ King size waterbed \$175. 656-1413
- ★ Turbo 350 automatic transmission, complete \$50. King trombone and case \$550
- ★ Fender Stratocaster, Mexican, Sunburst, hardshell case \$250. 350-7461
- ★ 1965 Cessna 172 airplane, \$20,000. 837-9373

### Vehicles

- ★ 1991 Ford Explorer XLT, 130K \$8,400. 859-4156
- ★ 1985 Ford LTD Brougham, all power options, 3.8L V-6 \$1,295 B/O. 420-6589
- ★ 1988 Olds Delta 88 Brougham, 4-dr, V-6, all power, one owner \$4,500. 881-2027
- ★ 1989 Toyota MR2, custom wheels, removable sunroof \$6,000; 1984 Toyota custom van \$2,000. 883-7627
- ★ 1991 Ford Escort LX, 4-dr. hatchback, 5-speed, am/fm/cass, air, very clean \$3,000 o.b.o. 534-8186
- ★ 1982 classic Honda Goldwing (GL 1100) motorcycle; no side bags, storage trunk or clutter; 21K miles \$5,000. 582-1344
- ★ 1982 Nissan 280Z, T-top, automatic \$2,500 but negotiable; 1977 Datsun ZX, new motor \$1,000. 230-3387

- ★ 1989 Olds Cutlass Ciera, 4-dr, V-6, A/C, 116K miles, CD player \$3,800. 722-0262
- ★ 1996 Dodge Caravan, DSD, integrated child seats, tinted glass, other extras, asking payoff. 721-0078

### Wanted

- ★ Bicycle wheel, front, 24-inch. 883-2757.
- ★ Tuxedo size 46 or 48 long, shirt 17 1/2 - 34/35, studs, cuff links and cummerbund. 881-6040
- ★ Tractor and bush hog, 40 to 60 HP, diesel reasonable. 837-8083
- ★ Alabama football tickets, prefer home SEC games. 837-8083

### Found

- ★ Silver ring found in parking lot at Bldg. 4203, call 4-4758 to identify.

## Center Announcements

- ✦ **Senior/NASA Day** — The EEO office is coordinating the High School Senior Day/NASA Day at Alabama A&M on November 8 at 1:30 p.m. Asking for NASA and alumni volunteers from both A&M and Tuskegee to assist in giving the students and general public information about MSFC roles and missions. For additional information contact Alice Sams at 4-0374 or Willie Love at 4-0088.
- ✦ **MOO** — The Management Operations Office retirees will meet for breakfast/lunch on August 28 (4th Thursday each month) at the Cracker Barrel in Madison at 10 a.m. In addition to retirees, all present or former MOO employees are welcome. Call 539-0042 if you have any questions.
- ✦ **Weight Watchers** — There will be a meeting on August 28 at 12 noon to 12:45 p.m. in Bldg. 4752. Weight Watchers will be starting a new program called the 1-2-3 Success program. For more information contact Shelia Fogle at 4-5638.
- ✦ **Retired Senior Volunteer Program** — The Huntsville/Madison County Senior Center will participate in "Make a Difference Day" on October 27 from 7 a.m. to 6 p.m. at the senior center. Contact Dorthy Barnett for more information.
- ✦ **Toastmasters** — The MSFC Toastmasters Club will meet on September 2 at 11:30 a.m. in Bldg. 4610 cafeteria conference room. All MSFC employees and contractors are invited to attend. For more information call Debbie Hagar at 5-4992 or Lee Johns at 4-5142.

## Job Opportunities

- CPP 97-53-CL, AST, Experimental Facilities Development, GS-801-14**, I&PS, Facilities Office, Plant Mgmt. Division. Closes Sept. 2.
- CPP 97-54-CL, AST, Experimental Facilities Development, GS-801-14**, I&PS, Facilities Office, Engineering Division. Closes Sept. 2.
- CPP 97-55-CL, AST, Telecommunications, GS-855-14**, I&PS, Information Systems Services Office, NASA ADP Consolidation Project Office. Closes Sept. 3.

**CPP 97-56-CL, AST, Telecommunications, GS-855-14**, I&PS, Information Systems Services Office, Systems Engineering & Applications Div. Closes Aug. 27.

**CPP 97-57-CL, AST, Data Systems, GS-854-14**, I&PS, Info. Sys. Services Ofc., Operations Div. Closes Aug. 27.

**CPP 97-58-CL, AST, Data Systems, GS-854-14**, I&PS, Information Systems Services Office, Systems Engineering and Applications Division. Closes Sept. 3.

**CPP 97-97-CL, AST, Environmental Engineer, GS-819-14**, I&PS, Environmental Engineering and Management Office. Closes Aug. 27.

**CPP 97-98-CL, AST, Experimental Facilities Development, GS-801-14**, I&PS, Facilities Office, Planning & Integration Div. Closes Sept. 2.

**CPP 97-100-CP, Accountant, GS-510-12/13 (3 vacancies)**, Office of Chief Financial Officer, Accounting Operations Office. Closes Aug. 27.

**CPP 97-107-CV, Management Analyst, GS-343-11**, Flight Projects Ofc, Mgmt. Support Office. Closes Sept. 3.

**CPP 97-109-TH, AST, Technical Management, GS-801-14**, S&E, Systems Analysis and Integration Lab., Technical Staff Office. Closes Sept. 3.

**CPP 97-111-RE, Public Affairs Specialist, GS-1035-11**, Public Affairs Office, Public Services Ofc. Closes Sept. 3.

**CPP 97-112-JB, AST, Technical Management, GS-801-14 (2 positions)**, Space Shuttle Projects Office, RSRM and ET Offices. Closes Aug. 28.

**CPP 97-113-TH, AST, Flight Vehicle Atmospheric Environment, GS-861-14**, S&E, SA&I Lab., Systems Engineering Div., Electromagnetic & Aerospace Environment Branch. Closes Sept. 4.

**CPP 97-114-TH, AST, Aerospace Flight Systems, GS-861-14**, S&E, SA&I Lab., Systems Engineering Div., Sys. Requirements & Verification Branch. Closes Sept. 4.

**CPP 97-115-TH, AST, Flight Systems Test, GS-861-14**, S&E, SA&I Lab., Systems Test Div., Development & Environmental Test Branch. Closes Sept. 4.

**CPP 97-116-TH, AST, Telemetry Systems, GS-855-14**, S&E, SA&I Lab., Systems Engineering Div., Electro-magnetics & Aerospace Env. Branch. Closes Sept. 4.

**CPP 97-117-SH, AST, Aerospace Vehicle Design & Mission Analysis, GS-861-14**, Mission Operations Lab., Mission Planning Div., Mission Design & Analysis Branch. Closes Aug. 27.

**CPP 97-118-CV, Mechanical Engineering Technician, GS-802-12**, S&E, Structures & Dynamics Lab., Fluid Dyn. Div., Experimental Fluid Dyn. Branch. Closes Aug. 28.

**CPP 97-119-CV, Administrative Officer, GS-341-9**, Global Hydrology Research Office. Closes Aug. 27.

**CPP 97-120-CP, Budget Analyst, GS-560-13/14**, Office of Chief Financial Officer, Resources Mgmt. Ofc. Closes Aug. 28.

**CPP 97-123-SH, Aerospace Engineering Technician, GS-802-12**, Propulsion Lab., Propulsion Test Div., Propulsion Test Mechanical Systems Br. Closes Sept. 4.

**CPP 97-125-CV, Program Support Specialist, GS-301-13**, Microgravity Research Program Ofc., Ofc. of the Manager. Closes Sept. 2.

# MARSHALL STAR

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